

Claims:

1. A portable radio device allowing radio communication through an antenna, comprising:

5 a housing having a lower end portion shaped to locally protrude and then taper down towards a lower end of the housing, wherein the antenna is provided within the lower end portion.

2. The portable radio device according to claim 1, wherein the housing has a major surface, wherein the lower end portion protrudes from the major surface and tapers down towards the lower end of the housing.

3. The portable radio device according to claim 2, wherein a speaker and a microphone used for telephone conversation are provided on the major surface, wherein the microphone is provided on the major surface at a position higher than the lower end portion.

4. The portable radio device according to claim 3, wherein a center portion of the lower end portion corresponding to the microphone is cut away to form a plane portion.

20 5. The portable radio device according to claim 4,

wherein the plane portion is flush with the major surface provided with the microphone.

6. A portable radio device allowing radio communication through an antenna, comprising:

5 an upper housing having a major surface of the portable radio device and a first lower end portion shaped to protrude from the major surface and taper down towards a lower end of the portable radio device; and

a lower housing having a back surface of the
10 portable radio device and a second lower end portion shaped to taper down towards the lower end of the portable radio device,

wherein the antenna is provided within the first and second lower end portions.

15 7. The portable radio device according to claim 6, wherein a speaker and a microphone used for telephone conversation are provided on the major surface, wherein the microphone is provided on the major surface at a position higher than the first lower end portion.

20 8. The portable radio device according to claim 7, wherein a center portion of the first lower end portion corresponding to the microphone is cut away to form a plane portion.

9. The portable radio device according to claim 8, wherein the plane portion is flush with the major surface provided with the microphone.

10. A portable radio device allowing radio
5 communication through an antenna, comprising:

a housing having a main portion and a lower end portion, wherein a width of the lower end portion is wider than that of the main portion, wherein the antenna is provided within the lower end portion.

10 11. The portable radio device according to claim 10, wherein the housing comprises:

an upper housing having a first lower end portion, wherein a width of the first lower end portion is wider than that of the main portion; and

15 a lower housing having a second lower end portion, wherein a width of the second lower end portion is wider than that of the main portion,

wherein the antenna is provided within the first and second lower end portions.

20 12. The portable radio device according to claim 10, wherein a plane figure of the lower end portion is shaped like one of approximately circle and ellipse.

13. The portable radio device according to claim 11, wherein a plane figure of each of the first and second lower end portions is shaped like one of approximately circle and ellipse.